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PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

United States Patent and Trademark
Office
(Box PCT)
Crystal Plaza 2
Washington, DC 20231
ÉTATS-UNIS D'AMÉRIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 02 July 1999 (02.07.99)	
International application No. PCT/NL98/00634	Applicant's or agent's file reference PCT 0747
International filing date (day/month/year) 03 November 1998 (03.11.98)	Priority date (day/month/year) 03 November 1997 (03.11.97)
Applicant VAN ROSSUM, Antoon, Johannes, Gerardus et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

03 June 1999 (03.06.99)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election
- ☒
- was

☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No.: (41-22) 740.14.35</p>	<p>Authorized officer N. Masson</p> <p>Telephone No.: (41-22) 338.83.38</p>
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From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

OTTEVANGER, S.
VEREENIGDE OCTROOIBUREAUX
Nieuwe Parklaan 97
NL-2587 BN The Hague
PAYS-BAS

Kopie in/near	TERMIJN
Beantwoord voor	Dericht gezonden aan
def.	dd.
MAP P11115PC00	

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT
(PCT Rule 71.1)

Date of mailing
(day/month/year)

27. 01. 00

Applicant's or agent's file reference
P11115PC00

IMPORTANT NOTIFICATION

International application No.
PCT/NL98/00634

International filing date (day/month/year)
03/11/1998

Priority date (day/month/year)
03/11/1997

Applicant

RAADGEVEND CHEMIEBUREAU RSB V.O.F. et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0 Tx: 523656 epmu d
Fax: +49 89 2399 - 4465

Authorized officer

Salaün, M



Tel. +49 89 2399-2126



31 JAN 1999

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P11115PC00		FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/NL98/00634	International filing date (day/month/year) 03/11/1998	Priority date (day/month/year) 03/11/1997	
International Patent Classification (IPC) or national classification and IPC A01G9/14			
Applicant RAADGEVEND CHEMIEBUREAU RSB V.O.F. et al.			
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 6 sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of sheets.</p>			
<p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none">I <input checked="" type="checkbox"/> Basis of the reportII <input type="checkbox"/> PriorityIII <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicabilityIV <input type="checkbox"/> Lack of unity of inventionV <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statementVI <input type="checkbox"/> Certain documents citedVII <input checked="" type="checkbox"/> Certain defects in the international applicationVIII <input type="checkbox"/> Certain observations on the international application			
Date of submission of the demand 03/06/1999		Date of completion of this report 27.01.00	
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465		Authorized officer Schlichting, N Telephone No. +49 89 2399 2428 	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/NL98/00634

I. Basis of the report

1. This report has been drawn on the basis of (*substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.*):

Description, pages:

1-16 as originally filed

Claims, No.:

1-28 as originally filed

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
☐ the claims, Nos.:
☐ the drawings, sheets:

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

4. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	1-26
	No:	Claims	27,28
Inventive step (IS)	Yes:	Claims	1-19,21-26
	No:	Claims	20,27,28
Industrial applicability (IA)	Yes:	Claims	1-28
	No:	Claims	

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/NL98/00634

2. Citations and explanations

see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

Re Item V

1. Claims 1-19, 26

- 1.1 Document EP-A-478 067 (D1), which is considered to represent the most relevant state of the art, discloses (cf. page 2, lines 1-3) a protective coating, suitable for being removed with a removing agent comprising a strong base and a complex former (cf. page 2, lines 49-53), which protective coating comprises a pigment and a binder (cf. page 2, line 44), the binder being a polymer (cf. page 2, line 46).

The subject-matter of claim 1 differs from that known coating in that the polymer used as a binder is specified by a weight-average molecular weight of 10.000 - 100.000 and an acid value of 40 - 250.

- 1.2 The problem to be solved by the present invention may therefore be regarded as to provide a protective coating which has an adhesive strength such that it is sufficiently resistant to weather influence and that it can be easily removed at the moment when it is no longer desired.

- 1.3 The solution to this problem proposed in claim 1 is considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

Document EP-A-0 533 367 (D2) describes a protective coating for new products when transporting them or otherwise exposing them to elements as, e.g. acid rain. The coating contains a binder with an average molecular weight of 7.000 - 25.000 and an acid value of 30 - 200, but does not contain pigments for a protection from light and heat. Since a binder for a coating containing a pigment (as the coating of the invention) has to meet different requirements than a binder for a coating without pigment (as the one disclosed in D2), it is not obvious for a skilled person to use a binder with the specific average molecular weight of 10.000 - 100.000 and an acid value of 40 - 250 for providing a protective coating with the desired characteristics.

The documents further cited in the International Search Report do not disclose a protective coating comprising such a binder with an average molecular weight of

10.000 - 100.000. Therefore, a combination of either of one of those documents with D1 would not obviously lead to the subject-matter of claim 1.

- 1.4 As the claims 15, 18 and 26 concern the protective agent, which is used for forming the protective coating according to claim 1, the method for forming the protective coating according to claim 1 and a kid comprising the protective coating according to claim 1, the same argumentation applies to the subject-matter of claims 15, 18 and 26. Therefore also claims 15, 18 and 26 meet the requirements of Article 33(2) and 33(3) PCT.
- 1.5 Claims 2-14, 16-17 and 19 are dependent on the abovementioned claims and as such also meet the requirements of the PCT with respect to novelty and inventive step.

2. Claims 20-25

- 2.1 D1 discloses also a method for removing a protective coating, wherein the protective coating differs from that known coating in that the polymer used as a binder is specified by a weight-average molecular weight of 10.000 - 100.000 and an acid value of 40 - 250.

The subject-matter of claim 20 is therefore novel (Article 33(2) PCT).

- 2.2 The subject-matter of claim 20 cannot be considered as involving an inventive step (Article 33(3) PCT) since it is general knowledge to use a removing agent comprising a strong base and a complex former for making a protective coating with an acid value removable, as it is evidenced in the prior art, e.g. D1, page 2, lines 49-50 or D2, page 3, line 54.
- 2.3 The subject-matter of claim 21, namely the specification of the removing agent containing 1-10% by weight of the strong base, is not disclosed in D1 or D2, which describe removing agents with a different amount of the strong base. Therefore, it is not obvious to a skilled person that a removing agent, wherein the strong base is present in an amount of 1-10%, is specifically suitable for removing the protective

coating according to claim 1. The subject-matter of claim 21 can be considered as involving an inventive step (Article 33(3) PCT).

The same argumentation applies for the subject-matter of claim 22, which therefore also can be considered as involving an inventive step.

- 2.4 Claims 23 to 25 are dependent on claim 21 or 22 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

3. Claims 27 and 28

- 3.1 The simple use of a polymer having a weight-average molecular weight of 10.000 - 100.000 and an acid value of 40 - 250 as binder in a protective agent is not new over the known prior art, cf. D2, page 2, line 58 to page 3, line 1 and tables 1 and 2 (e.g. average molecular weight of 12.000 and acid value of 110).

The subject-matter of claim 27 is therefore not novel (Article 33(2) PCT).

- 3.2 D3 already discloses the use of benzyl alcohol for removing a protective agent from a transparent surface (cf. col. 29, line 15, examples 13, 14, 15, 54, 55, 56, 58, 59).

The subject-matter of claim 28 is therefore not novel (Article 33(2) PCT).

4. The requirements of Article 33(4) PCT concerning industrial applicability are fulfilled.

Re Item VII

The independent claims are not in the two-part form in accordance with Rule 6.3(b) PCT, which in the present case would be appropriate, with those features known in combination from the prior art (cf. D1, D2, D3) being placed in a preamble (Rule 6.3(b)(i) PCT) and with the remaining features being included in a characterising part (Rule 6.3(b)(ii) PCT).

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: A01G 9/14, C09D 5/00, 5/32, 9/00	A1	(11) International Publication Number: WO 99/22588 (43) International Publication Date: 14 May 1999 (14.05.99)
(21) International Application Number: PCT/NL98/00634 (22) International Filing Date: 3 November 1998 (03.11.98) (30) Priority Data: 1007433 3 November 1997 (03.11.97) NL (71) Applicant (for all designated States except US): RAADGEVEND CHEMIEBUREAU RSB V.O.F. [NL/NL]; Geerstraat 8a, NL-5111 PS Baarle-Nassau (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): VAN ROSSUM, Antoon, Johannes, Gerardus [NL/NL]; Craenweide 13, NL-5056 BW Berkel-Enschot (NL). BERTELS, Antonius, Franciscus, Maria [NL/NL]; Alberdinck Thijmstraat 11, NL-5062 CP Oisterwijk (NL). (74) Agent: OTTEVANGER, S., U.; Vereenigde Octrooibureaux, Nieuwe Parklaan 97, NL-2587 BN The Hague (NL).		(81) Designated States: BR, CA, CN, JP, KR, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: REMOVABLE PROTECTIVE COATING (57) Abstract The invention relates to a protective coating which is removable with a removing agent comprising a strong base, which protective coating comprises a pigment, a weak base and a binder, the binder being a polymer having a weight-average molecular weight of 10,000-100,000 and an acid value of 40-250. The invention further relates to a protective agent and a method for forming the protective coating.		

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
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DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		

INTERNATIONAL SEARCH REPORT

Int. Application No.

PCT/NL 98/00634

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 A01G9/14 C09D5/00 C09D5/32 C09D9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A01G C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 533 367 A (NIPPON PAINT CO LTD) 24 March 1993 cited in the application see claims; tables	27
Y		1-3, 5-10, 14-16, 18-22, 26
Y	EP 0 478 067 A (ROSSUM ANTOON JOHANNES GERARDU ;BERTELS ANTONIUS FRANCISCUS MA (NL) 1 April 1992 cited in the application see the whole document --- -/--	1-3, 5-10, 14-16, 18-22, 26, 28



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but filed to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

1 February 1999

Date of mailing of the international search report

08/02/1999

Name and mailing address of the ISA

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Authorized officer

Merckx, A

INTERNATIONAL SEARCH REPORT

Internal Application No

PCT/NL 98/00634

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 597 788 A (STEVENS EDWIN) 28 January 1997 see claims	28
A	----	20, 23-25
X	EP 0 578 498 A (NIPPON CATALYTIC CHEM IND) 12 January 1994 cited in the application see claims	27
A	----	1-7, 15, 20
A	EP 0 421 250 A (PPG INDUSTRIES INC) 10 April 1991 see page 3, line 13 - page 4, line 47	1, 2, 4-8, 15, 20, 26, 27
A	GB 2 231 876 A (ICI PLC) 28 November 1990 see claims	1, 2, 4-7, 15, 16, 27
A	US 5 061 518 A (LANGERBEINS KLAUS ET AL) 29 October 1991 see the whole document	1, 4-8, 15, 20, 23, 26, 27
A	NL 9 300 675 A (ANTOON JOHANNES GERARDUS VAN R; ANTONIUS FRANCISCUS MARIA BERT) 16 November 1994 see claims	1, 11, 12, 14-16, 18-22, 26
A	EP 0 428 937 A (ISRAEL STATE) 29 May 1991 cited in the application see the whole document	6-10, 13-15, 18, 19, 27

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. Application No

PCT/NL 98/00634

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0533367	A	24-03-1993	JP 5059309 A	09-03-1993
			AU 652327 B	18-08-1994
			AU 2135992 A	04-03-1993
			CA 2076762 A	01-03-1993
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			US 5270414 A	14-12-1993
EP 0478067	A	01-04-1992	NL 9002100 A	16-04-1992
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			US 5425893 A	20-06-1995
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			BR 9405777 A	16-01-1996
			CA 2160544 A	27-10-1994
			CN 1124492 A	12-06-1996
			EP 0695328 A	07-02-1996
			JP 8509258 T	01-10-1996
			PL 311141 A	05-02-1996
			WO 9424216 A	27-10-1995
EP 0578498	A	12-01-1994	JP 6080735 A	22-03-1994
			JP 2582510 B	19-02-1997
			JP 6025358 A	01-02-1994
			JP 6049131 A	22-02-1994
			DE 69309795 D	22-05-1997
			DE 69309795 T	27-11-1997
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EP 0421250	A	10-04-1991	US 5081174 A	14-01-1992
			AT 123047 T	15-06-1995
			AU 6265790 A	01-08-1991
			CA 2025839 A,C	03-04-1991
			DE 69019655 D	29-06-1995
			DE 69019655 T	18-01-1996
			DK 421250 T	09-10-1995
			ES 2075104 T	01-10-1995
			JP 10183026 A	07-07-1998
			JP 2720958 B	04-03-1998
			JP 3126775 A	29-05-1991
			KR 9311582 B	13-12-1993
			MX 172409 B	15-12-1993
			US 5639814 A	17-06-1997
			US 5229450 A	20-07-1993
GB 2231876	A	28-11-1990	AU 618408 B	19-12-1991
			AU 4254389 A	26-04-1990
			CA 2000511 A	12-04-1990
			DE 68911874 D	10-02-1994
			DE 68911874 T	05-05-1994
			EP 0369581 A	23-05-1990
			ES 2062026 T	16-12-1994
			JP 2151667 A	11-06-1990
			MX 170373 B	18-08-1993
			PT 91954 A,B	30-04-1990

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. Application No

PCT/NL 98/00634

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2231876 A		US 5191014 A	02-03-1993
US 5061518 A	29-10-1991	DE 3839177 A	13-06-1990
		EP 0370339 A	30-05-1990
		JP 2182768 A	17-07-1990
NL 9300675 A	16-11-1994	NONE	
EP 0428937 A	29-05-1991	AU 6669290 A	23-05-1991
		CA 2029941 A	21-05-1991

TENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PCT 0747	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/NL 98/ 00634	International filing date (day/month/year) 03/11/1998	(Earliest) Priority Date (day/month/year) 03/11/1997
Applicant RAADGEVEND CHEMIEBUREAU RSB V.O.F. et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. ☐ Certain claims were found unsearchable (see Box I).
2. ☐ Unity of invention is lacking (see Box II).
3. ☐ The international application contains disclosure of a **nucleotide and/or amino acid sequence listing** and the international search was carried out on the basis of the sequence listing

☐ filed with the international application.
☐ furnished by the applicant separately from the international application,

☐ but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.

☐ Transcribed by this Authority

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant
☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant
☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this International Search Report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is:
 Figure No. _____

☐ as suggested by the applicant.
☐ because the applicant failed to suggest a figure.
☐ because this figure better characterizes the invention.

☒ None of the figures.



Application No: GB 9815295.2
Claims searched: 1 to 15

Examiner: Michael Conlon
Date of search: 27 October 1998

Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.P): C5D (DDA)

Int Cl (Ed.6): C11D 17/00

Other: WPI

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X	EP0846756 A1 (Procter & Gamble) claim 1, Examples 1 and 2 and page 4 lines 18 to 22	1 at least
X	EP0048163 A1 (Beecham) Examples 1 and 2 and page 21 lines 1 to 18	1 at least
X	US4369308 (Trubiano) Examples I and VI	1 at least
X	WO91/13546 A1 (Du Pont) page 3 line 1, the Examples	1 at least

X Document indicating lack of novelty or inventive step
Y Document indicating lack of inventive step if combined with one or more other documents of same category.

& Member of the same patent family

A Document indicating technological background and/or state of the art.
P Document published on or after the declared priority date but before the filing date of this invention.
E Patent document published on or after, but with priority date earlier than, the filing date of this application.